

June 18, 2012

**CERTIFIED MAIL, RETURN RECEIPT REQUESTED; AND
FEDERAL EXPRESS**

Ms. Sunita Sighva, Acting Chief
Multimedia Enforcement Section (6EN-HM)
Hazardous Waste Enforcement Branch
Compliance Assurance and Enforcement Division
U.S. EPA - Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Re: Clean Air Act, Section 114 Information Request
Mont Belvieu Facility, 10207 FM 1942, Mont Belvieu, Chambers County, Texas

Dear Ms. Singhvi:

I am submitting this letter on behalf of our client Enterprise Products Operating LLC ("Enterprise"), in response to the Section 114 Information Request, dated January 31, 2012, associated with the pending investigation at the Mont Belvieu Facility, 10207 FM 1942, Mont Belvieu, Chambers County, Texas. The Environmental Protection Agency ("EPA") approved an extension of the deadline for the filing of this response to June 18, 2012, and this response is timely filed.

Enclosed please find Enterprise's response to the 71 questions included in the Section 114 Information Request. Also enclosed please find documents responsive to the Section 114 Information Request. The documents and documents previously provided to EPA cover Bates Nos. ENT-EPA 0000001 through 0039109.

Enterprise asserts that its responses to Questions 16, 18, 20, 22, 24, 47, 52, 59, 62, 64, and 71, as set forth in the enclosed response, and each of the documents provided to EPA in association with those responses (ENT-EPA Nos. 29500-33637; 33669-33701; 34629-36851; 36883-38749; 38962-38974; and 38987-39109) (collectively, the "Information") represents business confidential material in accordance with 40 C.F.R. Part 2, and are entitled to confidential treatment. Enterprise requests that the Information be maintained permanently as confidential. Enterprise has developed an extensive business records management and retention process such that none of the Information has been disclosed to anyone other than a governmental body or someone who is bound by an agreement not to disclose the Information further.

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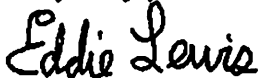
The Information is not contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles. There is not a means by which a member of the public could obtain access to the Information. The Information is of a kind that Enterprise would not customarily release to the public.

To Enterprise's knowledge, no governmental body has made a determination as to the confidentiality of the Information.

Disclosure of the Information is likely to result in substantial harm to Enterprise's competitive position. The Information represents proprietary information, which could be directly used by Enterprise's competitors to identify its processes, materials, products, trade secrets, and business operations and to use such knowledge to directly affect Enterprise's competitive position in the marketplace. Disclosure of the Information would directly result in these harmful effects.

If you have questions or require additional information related to the response or to the confidentiality of the Information, please contact me directly at (713) 651-3760.

Very truly yours,



Edward Lewis

ECL
Enclosures

cc: Ms. Minerva DeLeon (w/o enclosures)
Enforcement Officer (6EN-HM)
U.S. EPA – Region 6
10625 Fallstone Road
Houston, TX 77099

**ENTERPRISE PRODUCTS OPERATING, LLC'S RESPONSES TO JANUARY 31, 2012,
SECTION 114 CLEAN AIR ACT REQUEST FOR INFORMATION**

Enterprise Products Operating LLC ("Enterprise") provides the following response to EPA's Request for Information pursuant to Section 114 of the Clean Air Act, regarding operations at the Mont Belvieu Main Complex, the West Storage Facility, the North Storage Facility and the East Storage Facility, each of which is located in Mont Belvieu, Chambers County, Texas (the "Information Request"). In providing its response, Enterprise respectfully objects to the Request for Information to the extent that any of the requests seek documents and information that are privileged by the attorney-client privilege, the party communication privilege, the joint defense privilege, the consulting expert exemption, the attorney work product privilege, the work product doctrine or any other applicable privilege or protection.

Enterprise further objects to any of the requests that seek the production of documents or information that are in the public domain as to which the burden of obtaining or deriving the documents or information sought is substantially the same for the EPA as for Enterprise.

While Enterprise has made every effort to perform an appropriate review of materials that could be responsive to the Request for Information within the timeframe allowed for response, its review of information related to the incident that occurred on February 8, 2011 at the West Storage Facility and the operations at the Mont Belvieu Main Complex, the West Storage Facility, the North Storage Facility and the East Storage Facility is ongoing.

Enterprise expressly reserves the right to contest that certain of the facilities for which information has been requested by EPA are subject to the risk management program in any subsequent proceeding brought by or on behalf of the EPA or the United States.

Subject to, and without waiving these objections, Enterprise responds to the January 31, 2012, Request for Information, for which EPA extended the deadline for this Response to June 18, 2012, concerning the incident that occurred on February 8, 2011 at the West Storage Facility and the operations at the Mont Belvieu Main Complex, the West Storage Facility, the North Storage Facility and the East Storage Facility as follows:

QUESTIONS

QUESTION NO. 1:

Identify each person(s) answering each Question or subpart of each Question.

Response: These responses to the Information Request are provided on behalf of Enterprise. In many cases, no single person within Enterprise has all of the information required to respond to each of the Questions and subparts of Questions set forth below. However, an individual(s) is identified, for each Question and subpart of a Question, who has knowledge of the information compiled and/or assisted with compiling information for purposes of the response to that Question or subpart of a Question, as applicable.

QUESTION NO. 2:

For each and every Question or subpart of each Question contained herein, identify all persons consulted in the preparation of the answer.

Response: Enterprise objects to this question as it requires information that is subject to the attorney-client privilege and/or protected by the work product doctrine. Enterprise also objects as this question is unduly burdensome. Subject to, and without waiving this objection, Enterprise has provided the names of certain individuals who assisted in providing the

information used to prepare the response(s) to those specific Questions and subparts of Questions, as applicable.

QUESTION NO. 3:

For each and every Question contained herein, identify all documents consulted, examined, or referred to in the preparation of the answer or that contain information responsive to the Question, and provide true and accurate copies of such documents.

Response: Enterprise objects to this question as it requires information that is subject to the attorney-client privilege and/or protected by the work product doctrine. Enterprise also objects as this question is unduly burdensome. Subject to, and without waiving these objections, Enterprise has provided certain documents containing information relevant to the response provided with respect to individual Questions.

QUESTION NO. 4:

From January 1, 2006 to the present, provide the following information about the owner(s) and operator(s) of the Enterprise Mont Belvieu Main Complex:

- A. Name of owner and operator;
- B. Type of entity (corporation, partnership, individual);
- C. Place of incorporation or registration;
- D. Dates of ownership;
- E. Dates of operation control; and
- F. Percentage of ownership.

Response: Enterprise objects to this question to the extent that the phrase “Enterprise Mont Belvieu Main Complex” is vague and ambiguous. For purposes of providing its response to this Question (and its responses to other Questions), Enterprise interprets the phrase to refer to the North Plant and the South Plant. Subject to, and without waiving this objection, various entities related to Enterprise Products Operating LLC own assets located at the Mont Belvieu Complex. These include Belvieu Environmental Fuels LLC, which owns a 100-percent interest in the octane enhancement plant, and Enterprise Products Texas Operating LLC, which owns a 75-percent undivided interest in several fractionation units.

To the extent EPA is seeking information concerning the North Storage and East Storage Facilities, Mont Belvieu Caverns, LLC is the current owner and operator of the assets at North Storage and East Storage and has been so since October 5, 2006. Please note that Mont Belvieu Caverns, LLC was formerly Mont Belvieu Caverns, L.P. before being converted from a Delaware limited partnership to a limited liability company in January 2007. Enterprise Products Operating L.P. was the owner and operator of the assets at North Storage and East Storage during the remaining period of time referred to in Question No. 4. In June 2007, Enterprise Products Operating L.P. converted to Enterprise Products Operating LLC.

Mont Belvieu Caverns, LLC is a limited liability company incorporated in Delaware.

Enterprise Products Operating LLC is a limited liability company incorporated in Delaware.

Enterprise Products Operating L.P. was a Delaware limited partnership.

Enterprise Products Texas Operating LLC is a limited liability company incorporated in Texas.

Belvieu Environmental Fuels LLC is a limited liability company incorporated in Texas.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Jean Stromeyer Eriksson, Contractor; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Jean Stromeyer Eriksson”).

Don Farrell, VP & Assistant Controller; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Don Farrell”).

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3.

QUESTION NO. 5:

From January 1, 2006 to the present, provide the following information about the owner(s) and operator(s) of the West Storage Facility.

- A. Name of owner and operator;
- B. Type of entity (corporation, partnership, individual);
- C. Place of incorporation or registration;
- D. Dates of ownership;
- E. Dates of operational control; and
- F. Percentage of ownership.

Response:

October 5, 2006 – Present Time Period

Mont Belvieu Caverns, LLC is the current owner and operator of the West Storage Facility and has been so since from October 5, 2006. Please note that Mont Belvieu Caverns, LLC was formerly Mont Belvieu Caverns, L.P. before being converted from a Delaware limited partnership to a limited liability company in January 2007. Mont Belvieu Caverns, LLC is a limited liability company incorporated in Delaware. Mont Belvieu Caverns, LLC owns 100-percent of the West Storage Facility.

January 1, 2006 – October 4, 2006 Time Period

Enterprise Products Operating L.P. owned and operated the West Storage Facility during the January 1, 2006 – October 4, 2006 time period. Please note that in June 2007, Enterprise Products Operating L.P. was converted to Enterprise Products Operating LLC. Enterprise Products Operating L.P. was a Delaware limited partnership. Enterprise Products Operating, LLC is a limited liability company incorporated in Delaware. Enterprise Products Operating L.P. owned 100-percent of the West Storage Facility.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Jean Stromeyer Eriksson, Don Farrell.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 6:

Is the West Storage Facility a separate “stationary source” from the Enterprise Mont Belvieu Main Complex, as that term is defined by Section 112(r)(2)(C) of the Clean Air Act, 42 U.S.C. § 7412(r)(2)(C), and 40 C.F.R. § 68.3. Explain your answer.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion and because it incorrectly assumes that the West Storage Facility is a “stationary source” as that term is defined by Section 112(r)(2)(C) of the Clean Air Act and 40 C.F.R. § 68.3. Subject to and without waiving its objection, the West Storage Facility, which is separate from the Mont Belvieu Main Complex, is not a “stationary source,” as that term is used for purposes of 42 U.S.C. § 7412(r)(2)(C) and 40 C.F.R. § 68.3. The term “stationary source” is defined as:

[A]ny buildings, structures, equipment, installations, or substance emitting stationary activities which belong to the same industrial group, which are located on one or more contiguous properties, which are under the control of the same person (or persons under common control), and from which an accidental release may occur. *The term stationary source does not apply to transportation, including storage incident to transportation, of any regulated substance or any other extremely hazardous substance under the provisions of this part.* A stationary source includes transportation containers used for storage not incident to transportation and transportation containers connected to equipment at a stationary source for loading or unloading. *Transportation includes, but is not limited to, transportation subject to oversight or regulation under 49 CFR parts 192, 193, or 195, or a state natural gas or hazardous liquid program for which the state has in effect a certification to DOT under 49 U.S.C. section 60105.* A stationary

source does not include naturally occurring hydrocarbon reservoirs. Properties shall not be considered contiguous solely because of a railroad or pipeline right-of-way.

40 C.F.R. § 68.3 (Emphases added). The West Storage Facility meets the “transportation” exemption within the definition of “stationary source,” because the West Storage Facility stores materials incident to transportation that is subject to oversight and regulation under 49 C.F.R. parts 192, 193 or 195, or a state natural gas or hazardous liquid program for which the state has in effect a certification to DOT under 49 U.S.C. Section 60105. Therefore the West Storage Facility is not a “stationary source.”

Person(s) answering and/or consulted in the preparation of the answer to this Question:
This Question requires a legal response and such was prepared by counsel for Enterprise.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3.

QUESTION NO. 7:

Is the West Storage Facility subject to the OSHA Process Safety Management (PSM) standard, 29 C.F.R. § 1910.119? Explain your answer. Also, if your answer is yes, identify the date that the West Storage Facility became subject to the OSHA PSM standard.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion. Subject to, and without waiving that objection, Enterprise Products Operating L.P. acquired the West Storage Facility in 2004. The West Storage Facility has implemented a PSM program at the West Storage Facility since that time.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Mike Mayo, Director, Safety; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P.,
elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095, (“Mike Mayo”).

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3; EPCO, Inc. Process Safety Management/ Risk Management Planning Manual (“PSM Manual”) (ENT-EPA0032097 - 32215).

QUESTION NO. 8:

Does the West Storage Facility meet the requirements of 40 C.F.R. § 68.10(b)? Explain your answer.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion, and is based on an inaccurate premise. Subject to, and without waiving that objection, the West Storage Facility is not a Program 1 facility, as set forth in 40 C.F.R. § 68.10(b). The West Storage Facility is not subject to EPA’s jurisdiction under the RMP Program, because it is not a “stationary source” as that term is defined in 40 C.F.R. § 68.3. See Enterprise’s Response to Question No. 6.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
This Question requires a legal response and such was prepared by counsel for Enterprise.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3.

QUESTION NO. 9:

Is the West Storage Facility subject to the Program 3 requirements of 40 C.F.R. Part 68, Subpart D? Explain your answer.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion. Subject to, and without waiving that objection, the West Storage Facility is not subject to the Program 3 requirements of 40 C.F.R. Part 68, Subpart D because the West Storage Facility is not subject to EPA's jurisdiction under the RMP Program, as it is not a "stationary source" as that term is defined in 40 C.F.R. § 68.3. See Enterprise's Response to Question No. 6.

Person(s) answering and/or consulted in the preparation of the answer to this Question: This Question requires a legal response and such was prepared by counsel for Enterprise.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3.

QUESTION NO. 10:

As of February 8, 2011, identify the person that had overall responsibility for the development, implementation, and integration of the risk management program elements for the Enterprise Mont Belvieu Main Complex. Describe his or her responsibilities and qualifications.

Response: Enterprise objects to the question as the phrase "Enterprise Mont Belvieu Main Complex" is vague and ambiguous. Subject to, and without waiving its objection, as of February 8, 2011, Ivan Zirbes, Senior Director for Safety and Training, had overall responsibility

for the development, implementation, and integration of the RMP Program at the Enterprise Mont Belvieu Main Complex.

Mr. Zirbes was responsible for the maintenance and execution of the RMP Program, directing the activities of safety and training officials, and coordinating with Enterprise personnel on safety and training-related issues. Mr. Zirbes earned a Master of Science in Industrial Safety from the University of Minnesota. Prior to his employment with Enterprise in 2010, he held health and safety positions with National Steel and Valero Energy Corporation. With Valero, he managed the corporate safety department from 2003 to 2005; was Environmental and Safety Director for a refinery from 2005 to 2008; and was Director of Occupational and Process Safety for another refinery from 2008 to 2010. Mr. Zirbes joined Enterprise in March 2010, as Senior Director for Safety and Training, and currently holds that position.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ivan Zirbes, Mike Mayo.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2; Kennie Passmore, Specialist, Lead PSM; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 ("Kennie Passmore").

Al Wussler; Engineer, Staff Safety/PSM; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 ("Al Wussler").

Curtis Hackfeld, Coordinator, Operations; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Curtis Hackfeld”).

Ivan Zirbes, Senior Director for Safety and Training; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Ivan Zirbes”).

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise’s Response to Question No. 3; ENT-EPA-00001, previously provided to EPA by Enterprise.

QUESTION NO. 11:

Describe the management system that oversees the risk management program elements at the Enterprise Mont Belvieu Main Complex.

Response: Enterprise objects to the question as the phrase “Enterprise Mont Belvieu Main Complex” is vague and ambiguous. Subject to, and without waiving its objection, Enterprise responds that it has previously provided EPA with documents that provide information responsive to this Question (See ENT-EPA 0001 - 0002, 15964 - 16080). In addition, see the Enterprise PSM Manual (ENT-EPA0032097 - 32215), provided in Enterprise’s response to Question 7, from which a description of the management system that oversees the risk management program elements at the Enterprise Mont Belvieu Main Complex can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Curtis Hackfeld.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA 0001-0002, 15964-16080, 32097 – 32215.

QUESTION NO. 12:

Identify the person(s) responsible for implementing the following requirements of 40 C.F.R. Part 68, Subpart D at the Enterprise Mont Belvieu Main Complex:

- A. Process Safety Information;
- B. Process Hazard Analysis;
- C. Operating Procedures;
- D. Training;
- E. Mechanical Integrity;
- F. Management of Change;
- G. Pre-Startup Review;
- H. Compliance Audits;
- I. Incident Investigation;
- J. Employee Participation;
- K. Hot Work Permits; and
- L. Contractors.

Response: Enterprise objects to the question as the phrase “Enterprise Mont Belvieu Main Complex” is vague and ambiguous. Enterprise also objects to this question as it is ambiguous with respect to the applicable date or timeframe for which EPA has inquired. For purposes of responding to this question, Enterprise will assume that the question seeks information regarding the status of responsibilities as of February 8, 2011, the persons responsible for implementing the following requirements of 40 C.F.R. Part 68, Subpart D at the Enterprise Mont Belvieu Main Complex, on February 8, 2011, are set forth as follows:

- A. Process Safety Information – Plant Engineer: Scott Kellogg, Regional Manager, Field Engineering;
- B. Process Hazard Analysis – Regional PSM Coordinator Houston Region: Curtis Hackfeld, Coordinator, Senior Safety/PSM;
- C. Operating Procedures – Plant Supervisor or Lead:
 - South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson, Coordinator, Operations; Ricky Harpst, Supervisor, Operations;
 - Storage Facilities and East PHT: Max Hill (Retired), Supervisor, Compliance; Randy Norton, Coordinator, PSM; Richard Bockhorn, Coordinator, PSM; Darren Salyers, Coordinator, PSM;
 - MTBE: David Pierce, Coordinator, Operations; Chris Day, Superintendent, Operations;
 - PP Splitters and South Rail: Robert Hoskins, Superintendent, Operations; Rick Iler, Coordinator, Operations;

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton Sanders, Superintendent, Operations;

- D. Training – Training Department: Mike Hicks, Manager, Training,; Tim McSwain, Specialist, Senior Training; Mike Listi, Manager, Training;
- E. Mechanical Integrity - Plant Maintenance Supervisor or Lead: Dale Christiansen, Supervisor, Mechanical; Ben Dulban, Manager, Facility Mechanical Integrity;
- F. Management of Change – Plant Supervisor or Lead:

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson, Coordinator, Operations;

Storage Facilities: Max Hill (Retired), Supervisor, Compliance;

MTBE: David Pierce, Coordinator, Operations;

PP Splitters/South Rail: Rick Iler, Coordinator, Operations; Robert Hoskins, Superintendent

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton Sanders, Superintendent, Operations;

- G. Pre-Startup Review – PSM Safety Coordinator:

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson, Coordinator, Operations; Ricky Harpst, Supervisor, Operations;

Storage Facilities and East PHT: Max Hill (Retired), Supervisor, Compliance; Randy Norton, Coordinator, PSM; Richard Bockhorn, Coordinator, PSM; Darren Salyers, Coordinator, PSM;

MTBE: David Pierce, Coordinator, Operations; Chris Day, Superintendent, Operations;

PP Splitters and South Rail: Robert Hoskins, Superintendent, Operations;
Rick Iler, Coordinator, Operations;

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton
Sanders, Superintendent, Operations;

H. Compliance Audits – Assessment Group and PSM Coordinator:

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson,
Coordinator, Operations; Ricky Harpst, Supervisor, Operations;

Storage Facilities: Max Hill (Retired), Supervisor, Compliance; Randy
Norton, Coordinator, PSM; Richard Bockhorn, Coordinator, PSM; Darren
Salyers, Coordinator, PSM; Heath Robertson, Coordinator, Safety/PSM;

MTBE: David Pierce, Coordinator, Operations; Chris Day,
Superintendent, Operations; Ricky Jewell, Coordinator, Safety/PSM;

PP Splitters and South Rail: Robert Hoskins, Superintendent, Operations;
Rick Iler, Coordinator, Operations; Ricky Jewell, Coordinator, Safety/PSM;

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton
Sanders, Superintendent, Operations; Tod Jenkins, Coordinator, Senior
Safety/PSM;

I. Incident Investigation – PSM Safety Coordinator

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson,
Coordinator, Operations; Tod Jenkins, Coordinator, Senior Safety/PSM;

Storage Facilities: Darryl Fry, Supervisor, Compliance; Randy Norton,
Coordinator, PSM; Richard Bockhorn, Coordinator, PSM; Darren Salyers,
Coordinator, PSM; Heath Robertson, Coordinator, Safety/PSM;

MTBE: David Pierce, Coordinator, Operations; Chris Day, Superintendent, Operations; Ricky Jewell, Coordinator, Safety/PSM;

PP Splitters and South Rail: Robert Hoskins, Superintendent, Operations; Rick Iler, Coordinator, Operations; Ricky Jewell, Coordinator, Safety/PSM;

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton Sanders, Superintendent, Operations;

J. Employee Participation – Plant Supervisor or Lead:

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson, Coordinator, Operations; Ricky Harpst, Supervisor, Operations;

Storage Facilities: Max Hill (Retired), Supervisor, Compliance; Randy Norton, Coordinator, PSM; Richard Bockhorn, Coordinator, PSM; Darren Salyers, Coordinator, PSM;

MTBE: David Pierce, Coordinator, Operations; Chris Day, Superintendent, Operations;

PP Splitters and South Rail: Robert Hoskins, Superintendent, Operations; Rick Iler, Coordinator, Operations;

North Fractionation: Curtis Hackfeld, Coordinator, Operations; Alton Sanders, Superintendent, Operations;

K. Hot Work Permits – Plant Supervisor or Lead:

South Plant: Tony Whittington, Coordinator, Operations; Ryan Hutson, Coordinator, Operations; Ricky Harpst, Supervisor, Operations; Tod Jenkins, Coordinator, Senior Safety/PSM;

Storage Facilities: Max Hill (Retired), Supervisor, Compliance; Heath Robertson, Coordinator, Safety/PSM;

MTBE: David Pierce, Coordinator, Operations; Ricky Jewell, Coordinator, Safety/PSM;

PP Splitters and South Rail: Rick Iler, Coordinator, Operations; Ricky Jewell, Coordinator, Safety/PSM;

North Fractionation: Alton Sanders, Superintendent, Operations; Tod Jenkins Coordinator, Senior Safety/PSM; and

L. Contractors – PSM Safety Coordinator: Ricky Jewell, Coordinator, Safety/PSM; Tod Jenkins, Coordinator, Senior Safety/PSM; David Cave, Coordinator, Senior Safety/PSM; Heath Robertson, Coordinator, Safety/PSM; Ken Carney, Coordinator, Safety/PSM.

Each of these individuals may be reached c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095.

Person(s) answering and/or consulted in the preparation of the answer to this Question: Curtis Hackfeld.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3; See ENT-EPA 0001-0002, 15964-16080).

QUESTION NO. 13:

As of February 8, 2011, identify the person that had overall responsibility for the development, implementation, and integration of the risk management program elements for the West Storage Facility. Describe his or her responsibilities and qualifications.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion, and incorrectly assumes that the West Storage Facility is subject to the risk management program. Subject to, and without waiving that objection, the West Storage Facility is not subject to EPA's jurisdiction under the RMP Program. See Enterprise's Response to Question No. 6.

Person(s) answering and/or consulted in the preparation of the answer to this Question: This Question requires a legal response and such was prepared by counsel for Enterprise.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3.

QUESTION NO. 14:

Describe the management system that oversees the risk management program elements at the West Storage Facility.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion, and incorrectly assumes that the West Storage Facility is subject to the risk management program. Subject to, and without waiving that objection, the West Storage Facility

is not subject to EPA's jurisdiction under the RMP Program. See Enterprise's Response to Question No. 6.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
This Question requires a legal response and such was prepared by counsel for Enterprise.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 15:

Identify the person(s) responsible for implementing the following requirements of 40 C.F.R. Part 68, Subpart D at the West Storage Facility:

- A. Process Safety Information;
- B. Process Hazard Analysis;
- C. Operating Procedures;
- D. Training;
- E. Mechanical Integrity;
- F. Management of Change;
- G. Pre-Startup Review;
- H. Compliance Audits;
- I. Incident Investigation;
- J. Employee Participation;

- K. Hot Work Permits; and
- L. Contractors.

Response: Enterprise objects to this Question because it improperly calls for a legal conclusion, and incorrectly assumes that the West Storage Facility is subject to the risk management program. Subject to, and without waiving that objection, the West Storage Facility is not subject to EPA's jurisdiction under the RMP Program. See Enterprise's Response to Question No. 6.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
This Question requires a legal response and such was prepared by counsel for Enterprise.

QUESTION NO. 16:

Provide a copy of the piping and instrumentation diagrams (P&IDs) for underground routing of piping for the following areas of the Enterprise Mont Belvieu Main Complex:

- A. North Storage Area; and
- B. East Storage Area.

For each P&ID provided, specify the date that it was created. If you do not have a P&ID(s) for one or both areas listed above, explain why the P&ID(s) are not available.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 17:

Provide a copy of the isometric drawings (or similar drawings) of the underground routing of piping for the following areas of the Enterprise Mont Belvieu Main Complex:

- A. North Storage Area; and
- B. East Storage Area.

For each isometric drawing (or similar drawing) provided, specify the date that it was created. If you do not have isometric drawings (or similar drawings) of the underground routing of piping for one or both areas listed above, explain why isometric drawings (or similar drawings) are not available.

Response: Enterprise objects to this question as vague and ambiguous. It incorrectly identifies the North Storage Area and the East Storage Area as components of Enterprise Mont Belvieu Main Complex. Subject to, and without waiving its objection, see attached drawings and diagrams that reflect the underground routing of piping for the North Storage Area and the East Storage Area, from which the information requested can be derived (ENT-EPA0029500 - 31699). The date on which each drawing was created is set forth on that drawing.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Daniel Fenley; Theresa Gustafson.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3. See attached drawings and diagrams of the underground routing of piping for the North Storage Area and the East Storage Area (ENT-EPA0029500 - 31699).

QUESTION NO. 18:

Provide a copy of the material specifications (*e.g.*, type of piping, piping class, coating, lining, cathodic protection, etc.) for the underground piping and underground header system for the following areas of the Enterprise Mont Belvieu Main Complex:

- A. North Storage Area; and
- B. East Storage Area.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 19:

Provide a copy of the material specifications (*e.g.*, type of piping, piping class, coating, lining, cathodic protection, etc.) for the header manifold piping for the following areas of the Enterprise Mont Belvieu Main Complex:

- A. North Storage Area; and
- B. East Storage Area.

Response: Enterprise objects to this question as vague and ambiguous. It incorrectly identifies the North Storage Area and the East Storage Area as components of Enterprise Mont Belvieu Main Complex. Subject to, and without waiving its objection, see documents provided

in Enterprise's response to Question 18, from which the information requested can be derived (ENT-EPA0032216 – 33053 and 39086 - 39109).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Daniel Fenley, Theresa Gustafson, Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3. See attached documents reflecting material specifications for the North Storage Area and the East Storage Area (ENT-EPA0032216 – 33053 and 39086 - 39109).

QUESTION NO. 20:

Provide a copy of the piping and instrumentation diagrams (P&IDs) for underground routing of piping for the West Storage Facility. For each P&ID provided, specify the date that it was created. If you do not have a P&IDs for the underground routing of piping at the West Storage Facility, explain why the P&IDs are not available.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 21:

Provide a copy of the isometric drawings (or similar drawings) of the underground routing of piping for the West Storage Facility. For each isometric drawing (or similar drawing) provided, specify the date that it was created. If you do not have isometric drawings (or similar drawings) of the underground routing of piping for the West Storage Facility, explain why the isometric drawings (or similar drawings) are not available.

Response: Based on its review at this time, Enterprise has not identified isometric drawings for underground routing of piping at the West Storage Facility prior to the incident on February 8, 2011. Enterprise further understands that maintenance of such drawings is not necessary or called for by any applicable regulations. Isometric (3-D) documents are used for fabrication. Enterprise has not identified any such work performed by or on behalf of Enterprise prior to the incident on February 8, 2011. Enterprise is not in possession of any isometric drawings that may once have been maintained by any prior owner of the West Storage Facility. Enterprise has provided piping plans, diagrams and drawings for the West Storage Facility to EPA (See ENT-EPA0031700 – 32096 and 33054 - 33571). See also ENT-EPA 15873 - 15925 and 15959 - 15963.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Daniel Fenley and Theresa Gustafson.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2; Randy Weckwerth, Coordinator, Senior Piping Design; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 ("Randy Weckwerth"); Scott Kellogg, Regional Manager, Field Engineering; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 ("Scott Kellogg").

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3. See attached ENT-EPA0031700 – 32096 and 33054 - 33571. See ENT-EPA 15873 - 15925 and 15959 - 15963.

QUESTION NO. 22:

Provide a copy of the material specifications (e.g., type of piping, piping class, coating, lining, cathodic protection, etc.) for the underground piping and underground header system for West Storage Facility.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 23:

Provide a copy of the material specifics (*e.g.*, type of piping, piping class, coating, lining, cathodic protection, etc.) for the header manifold piping for the West Storage Facility.

Response: See the documents produced in response to Question No. 22, from which the information requested in this question can be derived. (See ENT-EPA0033572 – 33688 and 39016 - 39085).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Kyle Costlow and Theresa Gustafson.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA0033572 – 33688 and 39016 - 39085.

QUESTION NO. 24:

Identify the specific standard(s) (*e.g.*, API, ASME, etc.) that you use to address the mechanical integrity of the above-ground piping at the Enterprise Mont Belvieu Main Complex.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 25:

Identify the specific standard(s) (*e.g.*, API, ASME, etc.) that you use to address the mechanical integrity of the above-ground piping at the West Storage Facility.

Response: See Enterprise's response to Question 24. Enterprise previously provided EPA with documents that are responsive to this request (See ENT-EPA 1046-1231).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see documents referred to in the response to Question No. 24 (ENT-EPA0033669 - 33701); see ENT-EPA 0001046-1231.

QUESTION NO. 26:

Identify the procedure(s) used by your employees and contractors to perform the flange separation and blinding on the header drop piping to Well No. 2 on February 8, 2011 at the West Storage Facility. Provide a copy of this procedure(s).

Response: The procedure was previously provided to EPA (See ENT-EPA 972).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
N/A.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3; ENT-EPA 972.

QUESTION NO. 27:

Do you have a written procedure instructing maintenance employees on the maximum level of force to apply to pipe flanges, so that the force used to spread them apart does not overstress or damage the piping and/or its attached components? If yes, submit a copy, and identify the date that the written procedure was implemented.

Response: No.

Person(s) answering and/or consulted in the preparation of the answer to this Question: Mike Mayo.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3.

QUESTION NO. 28:

On or about February 8, 2011, workers at the West Storage Facility were assigned to blind and isolate Well No. 2 underground piping from the product headers.

- A. Explain why this work was being done.
- B. Whether any testing and/or inspection was conducted to determine whether the flange separation caused any damage to the header and/or piping. If your answer is no, provide the following information:

- (i) Explain why testing and/or an inspection(s) was not conducted;
 - (ii) Whether API 570 – Piping Inspection Code: In-Service Inspection, Rating, Repair, and Alteration of Piping Systems, would have required testing and/or inspection.
- C. If your answer to Question 29.B is yes, identify the method used, and the results of the testing and/or inspection;
- D. Whether the Energy Isolation (Lockout/Tagout) Policy was applicable for this work? If your answer is no, explain.
- E. Whether the Lockout/Tagout procedures completed in a manner that physically prevented the transmission or release of energy to the equipment while work was being performed. Explain your answer.
- F. Was a variance obtained to allow the work to proceed without meeting the Energy Isolation Policy? If your answer is yes, provide a copy of the variance. If your answer is no, explain why a variance was not obtained.
- G. Did an abnormal situation or condition exist that required approval of a variance? If your answer is yes, describe in detail the abnormal situation or condition.
- H. What would have been required to de-energize all headers associated with the header drops.

Response: See the Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT) (ENT-EPA0033702 - 33757) and additional documents (ENT-EPA0033758 - 33771) from which the information requested can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Mike Mayo.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT) (ENT-EPA0033702 - 33757) and additional documents (ENT-EPA0033758 - 33771) from which the information requested can be derived.

QUESTION NO. 29:

From January 1, 2009 to the present (excluding February 8, 2011), provide the following information for flange separation on the header drop piping that has occurred at the West Storage Facility:

- A. Date that flange separation occurred;
- B. Location of where flange separation occurred;
- C. Whether any testing and/or inspection was conducted to determine whether the flange separation caused any damage to the header and/or piping. If your answer is no, provide the following information:
 - (i) Explain why testing and/or an inspection(s) was not conducted;
 - (ii) Whether API 570 – Piping Inspection Code: In-Service Inspection, Rating, Repair, and Alteration of Piping Systems, would have required testing and/or inspection.

- D. If your answer to Question 30.C is yes, identify the method used, and the results of the testing and/or inspection;
- E. Whether the Energy Isolation (Lockout/Tagout) Policy was applicable for this work? If your answer is no, explain.
- F. Whether the Lockout/Tagout procedures completed in a manner that physically prevented the transmission or release of energy to the equipment while work was being performed. Explain your answer.
- G. Was a variance obtained to allow the work to proceed without meeting the Energy Isolation Policy: If your answer is yes, provide a copy of the variance. If your answer is no, explain why a variance was not obtained.
- H. Did an abnormal situation or condition exist that required approval of a variance? If your answer is yes, describe in detail the abnormal situation or condition.
- I. What would have been required to de-energize all headers associated with the header drops.

Response:

A. Enterprise has identified that flange separations likely occurred in connection with work orders performed at the West Storage Facility in July 2010, September 2010, and December 2010. Copies of the work orders are attached as ENT-EPA0039002 - 39015.

B. Information regarding the location of the flange separations can be derived from the attached work orders. See ENT-EPA0039002 - 39015.

C. Other than visual inspections, no specific mechanical integrity testing or inspection to the header and/or piping was conducted in connection with the work orders attached as ENT-EPA0039002 - 39015. Enterprise's Response to Question No. 24 describes the standards, including API 570, that Enterprise uses to assess mechanical integrity of above-ground piping. These standards do not call for a specific mechanical integrity test or inspection to be made in connection with the work performed for the above-referenced work orders.

D. See Response to 29.C above.

E. Yes.

F. Yes, Enterprise followed its Energy Isolation (Lockout/Tagout) policy.

G. No.

H. No.

I. Enterprise objects to this question because it is speculative. Subject to, and without waiving this objection, as the question suggests, what "would have been required to de-energize all headers associated with the header drops" is a de-energization of the piping and equipment connected to and associated with the header manifold. Please refer to piping and instrumentation diagrams for a full understanding of that equipment. As the question suggests, if the energy isolation strategy was to empty the entire header manifold of hydrocarbons (both above and below ground), isolation points upstream and downstream of each piping system would have to be identified. At those isolation points, valves would have had to be closed. This is the first step that would have to be followed, and it would have to be repeated for each piping system that either feeds or makes up the header manifold. Second, isolation blinds would have

had to be installed downstream of the closed valves to ensure complete energy isolation (per Enterprise's Energy Isolation/LOTO procedure). Using an isolation strategy like the one suggested by this question would still require blinding against pressurized equipment. Absent an isolation strategy that involved flaring to atmosphere the piping running back to each wellhead at the West Storage facility and shutting down the wells from service, including all pipeline, Fractionator and consumers of products from that facility, as well as all process piping (which would not be allowed under applicable air permits and regulations), isolation blinds would have had to be inserted at multiple points to comply with the existing Energy Isolation/LOTO policy.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Randy Smith, Tim Jones.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to No. 3; ENT-EPA0039002 – 39015.

QUESTION NO. 30:

From January 1, 2009 to the present, provide the following information for flange separation on the header drop piping that has occurred at the North Storage Area of the Enterprise Mont Belvieu Main Complex:

- A. Date that flange separation occurred;
- B. Location of where flange separation occurred;
- C. Whether any testing and/or inspection was conducted to determine whether the flange separation caused any damage to the header and/or piping. If you answer is no, provide the following information:
 - (i) Explain why testing and/or an inspection(s) was not conducted;

- (ii) Whether API 570 – Piping Inspection Code: In-Service Inspection, Rating, Repair, and Alteration of Piping Systems, would have required testing and/or inspection.
- D. If your answer to Question 31.C is yes, identify the method used, and the results of the testing and/or inspection;
- E. Whether the Energy Isolation (Lockout/Tagout) Policy was applicable for this work? If your answer is no, explain.
- F. Whether the Lockout/Tagout procedures completed in a manner that physically prevented the transmission or release of energy to the equipment while work was being performed. Explain your answer.
- G. Was a variance obtained to allow the work to proceed without meeting the Energy Isolation Policy: If your answer is yes, provide a copy of the variance. If your answer is no, explain why a variance was not obtained.
- H. Did an abnormal situation or condition exist that required approval of a variance? If your answer is yes, describe in detail the abnormal situation or condition.
- I. What would have been required to de-energize all headers associated with the header drops.

Response:

Enterprise objects to this question as the phrase “Enterprise Mont Belvieu Main Complex” is vague and ambiguous. Subject to, and without waiving this objection, Enterprise responds as follows:

A. Enterprise has identified that a flange separation likely occurred in connection with a work order performed at the North Storage Facility in September 2009. A copy of the work order is attached as ENT-EPA0033772 - 33775.

B. Information regarding the location of the flange separation can be derived from the attached work order. See ENT-EPA0033772 - 33775.

C. Other than visual inspections, no specific mechanical integrity testing or inspection to the header and/or piping was conducted in connection with the work order attached as ENT-EPA0033772 - 33775. Enterprise's Response to Question No. 24 describes the standards, including API 570, that Enterprise uses to assess mechanical integrity of above-ground piping. These standards do not call for a specific mechanical integrity test or inspection to be made in connection with the work performed for the above-referenced work orders.

D. See Response to 29.C above.

E. Yes.

F. Yes, Enterprise followed its Energy Isolation (Lockout/Tagout) policy.

G. No.

H. No.

I. Enterprise objects to this question because it is speculative. Subject to, and without waiving this objection, as the question suggests, what "would have been required to de-energize all headers associated with the header drops" is a de-energization of the piping and equipment connected to and associated with the header manifold. Please refer to piping and

instrumentation diagrams for a full understanding of that equipment. As the question suggests, if the energy isolation strategy was to empty the entire header manifold of hydrocarbons (both above and below ground), isolation points upstream and downstream of each piping system would have to be identified. At those isolation points, valves would have had to be closed. This is the first step that would have to be followed, and it would have to be repeated for each piping system that either feeds or makes up the header manifold. Second, isolation blinds would have had to be installed downstream of the closed valves to ensure complete energy isolation (per Enterprise's Energy Isolation/LOTO procedure). Using an isolation strategy like the one suggested by this question would still require blinding against pressurized equipment. Absent an isolation strategy that involved flaring to atmosphere the piping running back to each wellhead at the North Storage facility and shutting down the wells from service, including all pipeline, Fractionator and consumers of products from that facility, as well as all process piping (which would not be allowed under applicable air permits and regulations), isolation blinds would have had to be inserted at multiple points to comply with the existing Energy Isolation/LOTO policy.

Person(s) answering and/or consulted in the preparation of the answer to this Question:

Randy Smith, Tim Jones.

Documents consulted, examined, or referred to or that contain responsive information:

See Enterprise's Response to No. 3; ENT-EPA0033772 - 33775.

QUESTION NO. 31:

From January 1, 2009 to the present, provide the following information for flange separation on the header drop piping that has occurred at the East Storage Area of the Enterprise Mont Belvieu Main Complex:

- A. Date that flange separation occurred;
- B. Location of where flange separation occurred;
- C. Whether any testing and/or inspection was conducted to determine whether the flange separation caused any damage to the header and/or piping. If your answer is no, provide the following information:
 - (i) Explain why testing and/or an inspection(s) was not conducted;
 - (ii) Whether API 570 – Piping Inspection Code: In-Service Inspection, Rating, Repair, and Alteration of Piping Systems, would have required testing and/or inspection.
- D. If your answer to Question 22.C is yes, identify the method used, and the results of the testing and/or inspection;
- E. Whether the Energy Isolation (Lockout/Tagout) Policy was applicable for this work? If your answer is no, explain.
- F. Whether the Lockout/Tagout procedures completed in a manner that physically prevented the transmission or release of energy to the equipment while work was being performed. Explain your answer.

- G. Was a variance obtained to allow the work to proceed without meeting the Energy Isolation Policy? If your answer is yes, provide a copy of the variance. If your answer is no, explain why a variance was not obtained.
- H. Did an abnormal situation or condition exist that required approval of a variance? If your answer is yes, described in detail the abnormal situation or condition.
- I. What would have been required to de-energize all headers associated with the header drops.

Response:

Enterprise objects to this question as the phrase “Enterprise Mont Belvieu Main Complex” is vague and ambiguous. Subject to, and without waiving this objection, Enterprise responds as follows:

A. Enterprise has identified that flange separations likely occurred in connection with work orders performed at the East Storage Facility in March 2009, April 2010, May 2010, June 2010, March 2011, February 2012 and March 2012. Copies of the work orders are attached as ENT-EPA0033776 – 33800.

B. Information regarding the location of the flange separations can be derived from the attached work orders. See ENT-EPA0033776 – 33800.

C. Other than visual inspections, no specific mechanical integrity testing or inspection to the header and/or piping was conducted in connection with the work orders attached as ENT-EPA0033776 – 33800. Enterprise’s Response to Question No. 24 describes the standards, including API 570, that Enterprise uses to assess mechanical integrity of above-

ground piping. These standards do not call for a specific mechanical integrity test or inspection to be made in connection with the work performed for the above-referenced work orders.

D. See Response to 29.C above.

E. Yes.

F. Yes, Enterprise followed its Energy Isolation (Lockout/Tagout) policy.

G. No.

H. No.

I. Enterprise objects to this question because it is speculative. Subject to, and without waiving this objection, as the question suggests, what “would have been required to de-energize all headers associated with the header drops” is a de-energization of the piping and equipment connected to and associated with the header manifold. Please refer to piping and instrumentation diagrams for a full understanding of that equipment. As the question suggests, if the energy isolation strategy was to empty the entire header manifold of hydrocarbons (both above and below ground), isolation points upstream and downstream of each piping system would have to be identified. At those isolation points, valves would have had to be closed. This is the first step that would have to be followed, and it would have to be repeated for each piping system that either feeds or makes up the header manifold. Second, isolation blinds would have had to be installed downstream of the closed valves to ensure complete energy isolation (per Enterprise’s Energy Isolation/LOTO procedure). Using an isolation strategy like the one suggested by this question would still require blinding against pressurized equipment. Absent an isolation strategy that involved flaring to atmosphere the piping running back to each wellhead at

the East Storage facility and shutting down the wells from service, including all pipeline, Fractionator and consumers of products from that facility, as well as all process piping (which would not be allowed under applicable air permits and regulations), isolation blinds would have had to be inserted at multiple points to comply with the existing Energy Isolation/LOTO policy.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Randy Smith, Tim Jones.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to No. 3; ENT-EPA0033776 – 33800.

QUESTION NO. 32:

Give examples of "abnormal" situations or conditions that would require a variance from Section 3.3 – Energy Isolation (Lockout/Tagout) of Enterprise's Safety Policies Manual.

Response: Enterprise objects to this question as speculative. Subject to, and without waiving its objection, one example of an abnormal situation or condition that could require a variance is when an employee is troubleshooting equipment to determine the problem with a piece of equipment or reason for a malfunction. In such a case, unique procedures or job plans might be written to address the hazards associated with the task and a variance written for communication and approval of the plan prior to proceeding.

Another example of an abnormal situation or condition that might require a variance is when large numbers of personnel are working on a turnaround project. In such a situation, a variance may be written so that the Principal Authorized Employee locks the lock box and then

maintains a lockbox for all the Authorized employees in his crew, rather than every Authorized employee placing their lock on the equipment lockbox, which could be hundreds during a turnaround. They could place their locks on another lockbox instead of having all authorized employees place their locks on the equipment lockbox as called for in the Energy Isolation (Lockout/Tagout) policy.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Mike Mayo, Kenny Passmore.

Documents consulted, examined, or referred to or that contain responsive information:
ENT-EPA 293-307.

QUESTION NO. 33:

Explain why the 2006 Operating Procedure Certification for the West Terminal (Exhibit A) had a different current certification date printed on the form than the signature date. Was this form created?

Response: The lack of a certification of the 2006 Operating Procedure was listed as a finding in the 2007 Compliance Audit (See ENT-EPA 254). Enterprise had previously identified that the procedure had not been certified in August 2006. The procedures were reviewed and certified, by Tim Jones, on January 8, 2007.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Tim Jones, Gene Flipse, Regional Manager, Lab/Meas/Warehouse; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Gene Flipse”).

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA 13, 254.

QUESTION NO. 34:

Explain why the 2006 Operating Procedure Certifications in Exhibit B each had a different current certification date printed on the form than the signature date. When was each form created?

Response: The lack of a certification of the 2006 Operating Procedure was identified in the 2007 Compliance Audit (See ENT-EPA 254). Upon identifying that the procedure had not been certified in 2006, the procedures were reviewed and certified, by Gene Flipse, on July 20, 2007.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Gene Flipse; Mike Mayo, Tim Jones.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA 22, 27, 32, 37, 42, 47, 52, 254.

QUESTION NO. 35:

For each piece of equipment identified in Exhibit C, provide the following information:

- A. Why the inspection was not conducted within the deadline set by Enterprise;
- B. Identify the standard (*e.g.*, API, ASME, etc.) you used to determine the interval(s) between inspections;
- C. If the notation indicates that the equipment was offline, provide the date that it was placed in this status.

- D. If the notation indicates that the equipment was shutdown, provide the date that it was placed in this status.

Response:

A. Enterprise conducts three inspections for above-ground assets located at its facilities: (1) visual external inspection; (2) on-stream UT inspections; and (3) internal inspections, where appropriate and necessary. Inspections can be delayed for any number of reasons including, but not limited to the following: (1) the risk of damage to the equipment and to the environment may be increased due to entry into the equipment, the necessity of which is not otherwise indicated by the visual external inspection and the external UT inspection; (2) some vessel entries present a higher risk to the safety of the inspector personnel as compared to the risk posed by the equipment itself; (3) the equipment has an operating status that is incompatible with the conditions required for conducting an inspection (*e.g.*, the equipment must be shutdown or offline in order for an inspection to be conducted, but the Asset is operating); and (4) the lack of access (*e.g.*, scaffolding, high reach) to allow for the inspection to be conducted safely. It is also possible that an inspection could be reflected as past due in error.

- B. The standards applicable to the types of Assets set forth in Exhibit C are as follows:

Shell and Tube Exchanger, Column, Pressure Vessel, and Air Cooled Exchanger:

API 510;

Pipe: API 570; and

Storage Tank: API 653 or STISP001.

C. and D. The notation of offline or shutdown refers to the status that the Asset must be in, in order to be inspected. It does not indicate that the Asset was in that status.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Dale Christiansen.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 36:

Define the following terms as it relates to the equipment identified in Exhibit C:

- A. Offline; and
- B. Shutdown.

Response: The notation of offline or shutdown refers to the status that the piece of equipment ("Asset") must be in, in order to be inspected. It does not indicate that the Asset was in that status. "Online" means that an inspection can be performed while equipment is in service/operating. "Offline" means that an inspection can be performed while the equipment is not in service/operation, but that the equipment may still be full of product. "Shutdown" means that an inspection can be performed only while equipment is not in service/operation and the equipment has been deinventoried and opened for inspection or the unit is shut down for repairs.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

QUESTION NO. 37:

For each piece of equipment identified in Exhibit D that has a past due date and has not been inspected as of the date of receipt of this Information Request, provide the following information:

- A. Why the inspection was not conducted within the deadline set by Enterprise;
- B. Identify the standard (*e.g.*, API, ASME, etc.) you used to determine the interval(s) between inspections;
- C. If the notation indicates that the equipment was offline, provide the date that it was placed in this status.
- D. If the notation indicates that the equipment was shutdown, provide the date that it was placed in this status.

Response:

A. Enterprise conducts three inspections for above-ground assets located at its facilities: (1) visual external inspection; (2) external UT inspections; and (3) internal inspections, where appropriate and necessary. Inspections can be delayed for any number of reasons including, but not limited to the following: (1) the risk of damage to the equipment and to the environment may be increased due to entry into the equipment, the necessity of which is not otherwise indicated by the visual external inspection and the external UT inspection; (2) some vessel entries present a higher risk to the safety of the inspector personnel as compared to the risk posed by the equipment itself; (3) the equipment has an operating status that is incompatible with the conditions required for conducting an inspection (*e.g.*, the equipment must be shutdown or offline in order for an inspection to be conducted, but the Asset is operating); and (4) the lack of

access (*e.g.*, scaffolding, high reach) to allow for the inspection to be conducted safely. It is also possible that an inspection could be reflected as past due in error.

B. The standards applicable to the types of Assets set forth in Exhibit D are as follows:

Shell and Tube Exchanger, Column, Pressure Vessel, and Air Cooled Exchanger:
API 510;

Pipe: API 570; and

Storage Tank: API 653 or STISP001.

C. and D. The notation of offline or shutdown refers to the status that the Asset must be in, in order to be inspected. It does not indicate that the Asset was in that status.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Dale Christiansen.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 38:

The April 2-5, 2007 Compliance Audit for the Mont Belvieu Complex (dated July 25, 2007) (ENT-EPA-0000243 – 0000269) lists a number of findings. For each finding identified in this Compliance Audit, provide the following information:

- A. Finding;
- B. Recommendation or response;

- C. Status of recommendation or response (*e.g.*, open, closed, etc);
- D. Date recommendation or response was originally scheduled to be completed;
- E. If applicable, date recommendation or response was completed;
- F. If recommendation or response has not been completed, an explanation why it has not been completed, and the date that you expect to complete the recommendation or response; and
- G. If a finding carried over from a previous Audit Report (Repeat Finding), explain why it was not completed prior to the 2007 Compliance Audit.

Response: Please see the attached report (ENT-EPA0033801 - 33864), from which the information requested can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Frank McHugh, Director, EHS&T; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095 (“Frank McHugh”).

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3; see the attached report (ENT-EPA0033801 - 33864).

QUESTION NO. 39:

The February 16, 2010 Compliance Audit of the Enterprise Mont Belvieu North-East-West Storage Areas (dated May 12, 2010) (ENT-EPA-0000270 – 0000284) lists a number of

findings. For each finding identified in this Compliance Audit, provide the following information:

- A. Finding;
- B. Recommendation or response;
- C. Status of recommendation or response (*e.g.*, open, closed, etc);
- D. Date recommendation or response was originally scheduled to be completed;
- E. If applicable, date recommendation or response was completed;
- F. If recommendation or response has not been completed, an explanation why it has not been completed, and the date that you expect to complete the recommendation or response; and
- G. If a finding carried over from a previous Audit Report (Repeat Finding), explain why it was not completed prior to this Compliance Audit.

Response: Please see the attached report (ENT-EPA0033865 - 33885), from which the information requested can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Frank McHugh.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see the attached report (ENT-EPA0033865 - 33885).

QUESTION NO. 40:

The February 22, 2010 Compliance Audit of the Enterprise Mont Belvieu South Plant (dated June 4, 2010) (ENT-EPA-0015926 – 0019543) lists a number of findings. For each finding identified in this Compliance Audit, provide the following information:

- A. Finding;
- B. Recommendation or response;
- C. Status of recommendation or response (*e.g.*, open, closed, etc);
- D. Date recommendation or response was originally scheduled to be completed;
- E. If applicable, date recommendation or response was completed;
- F. If recommendation or response has not been completed, an explanation why it has not been completed, and the date that you expect to complete the recommendation or response; and
- G. If a finding carried over from a previous Audit Report (Repeat Finding), explain why it was not completed prior to this Compliance Audit.

Response: Please see the attached report (ENT-EPA0033866 - 33909), from which the information requested can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Frank McHugh.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see the attached report (ENT-EPA0033866 - 33909).

QUESTION NO. 41:

The April 2010 Compliance Audit of the Enterprise Mont Belvieu North Plant (dated June 23, 2010) (ENT-EPA-0015944 – 0015958) lists a number of findings. For each finding identified in this Compliance Audit, provide the following information:

- A. Finding;
- B. Recommendation or response;
- C. Status of recommendation or response (*e.g.*, open, closed, etc);
- D. Date recommendation or response was originally scheduled to be completed;
- E. If applicable, date recommendation or response was completed;
- F. If recommendation or response has not been completed, an explanation why it has not been completed, and the date that you expect to complete the recommendation or response; and
- G. If a finding carried over from a previous Audit Report (Repeat Finding), explain why it was not completed prior to this Compliance Audit.

Response: Please see the attached report (ENT-EPA0033910 - 33929), from which the information requested can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Frank McHugh.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see the attached report (ENT-EPA0033910 - 33929).

QUESTION NO. 42:

Submit a copy of the protocol(s) and/or workplans for conducting the Compliance Audits identified in Questions 38-41.

Response: Please see the attached report (ENT-EPA0033930 - 34008).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Frank McHugh.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA0033930 - 34008.

QUESTION NO. 43:

Submit a copy of the final incident report for the February 8, 2011 incident at the West Storage Facility.

Response: Please see the Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT), provided in response to Question No. 28 (ENT-EPA0033702 - 33757).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
N/A.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT) (ENT-EPA0033702 - 33757).

QUESTION NO. 44:

For each finding and recommendation set forth in the incident report identified in Question 43, explain what actions have been taken and what actions remain to be taken.

Response: Incident investigation number 11-04063W-8440 was submitted by Jesse Gregoire on March 9, 2012. Please see the Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT), provided in response to Question No. 28 (ENT-EPA0033702 - 33757), which sets forth the list of recommended actions that have been proposed.

Enterprise management is working to further refine its understanding of the causal factors identified by the incident investigation for a final determination concerning recommendations and actions to take as an organization. That work is ongoing, as is customary with all complicated incidents. In addition to the above, Enterprise has developed guidelines for training maintenance employees and other field craftsmen on flange joint alignment, making joints, and breaking joints. The purpose of these guidelines is to add to the knowledge and training base of all Enterprise employees who may be required to separate flanges, install blinds, and otherwise make and break joints or pipe connections. In addition to the above, Enterprise has made efforts to make maintenance craftsmen more aware of stress and potential stress on equipment during work performed in the field. In addition to the above, Enterprise field engineering has developed a scope review meeting checklist for use during the formulation of an energy isolation strategy on future and ongoing maintenance/construction projects.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Mike Mayo.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; Enterprise Products, Incident Investigation, Mont Belvieu Caverns LLC – West Storage (FINAL REPORT), provided in response to Question No. 28 (ENT-EPA0033702 - 33757).

QUESTION NO. 45:

Submit a copy of all Title V deviation reports and Title V compliance certifications for the Enterprise Mont Belvieu Complex from January 1, 2008 to the present.

Response: Enterprise objects to this Question because it seeks the production of documents or information that are in the public domain as to which the burden of obtaining or deriving the documents or information sought is substantially the same for the EPA as for Enterprise. Enterprise also objects to this question because the phrase “Mont Belvieu Main Complex” is vague and ambiguous. Subject to, and without waiving these objections, Enterprise is providing the Title V deviation reports and Title V compliance certifications from July 8, 2008 through January 12, 2012 (ENT-EPA0034009 - 34628).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Matt Marra, Senior Director, Environmental & Technical Service; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095, his or her present or last known employment position or affiliation, and his or her positions during the time period covered by this Information Request (“Matt Marra”).

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA0034009 - 34628.

QUESTION NO. 46:

Specify the date that API Recommended Practice (RP) 580¹ was implemented for the underground piping at the West Storage Facility.

Response: Enterprise objects to this Question because it is based upon an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex. Enterprise began utilizing API RP 580 with respect to above-ground assets at the West Storage Facility in 2004.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 47:

Provide a copy of the RBI program for the underground piping at the West Storage Facility. This should include the entire RBI program since its inception, and not just the most current assessment or mitigation.

¹ Unless other noted, all references to API RP 580 are to the 1st edition (May 2002).

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 48:

Identify the members of the RBI team who are currently involved in the RBI program, as well as members who were previously involved in the RBI program since its inception. Specify the dates when each person was involved and which assessments and other program elements were done during their time on the RBI team. Also specify their role within the team, and the position within the company that the individual held, including previous roles and positions, if applicable. If contractor personnel were involved, include the dates of involvement and which RBI elements were conducted during their time on the RBI team. Also specify the role of the contractor within the team.

Response: Enterprise objects to this question as vague and ambiguous as it does not identify a particular location for which EPA is seeking the requested information. For purposes of providing its response, Enterprise will assume that EPA is seeking information related to the West Storage Facility. Enterprise also objects to this question as unduly burdensome. Enterprise is not reasonably able to specify the date between 2004 and the present during which each person who has been involved with the RBI was involved with the program or with which particular assessment or program elements they were involved. Subject to, and without waiving its objections, Enterprise is able to identify the following employees and contractors who have worked on the RBI program at West Storage and identify whether their work is ongoing or was performed only in the past.

Current RBI Personnel

Ben Dulban - Manager, Facility Mechanical Integrity

Kenny Key - Supervisor, Tank Integrity;

Greg Kridler – Inspector

Lesley Dubois – Mechanical Integrity Assistant

Chris Murrell – Inspector

Scott McCrary – Inspector

Wanda Fisher – Mechanical Integrity Assistant

Vince Meyer – Site Coordinator

James Neff – Technician

Jeremy Ledbetter – Inspector

Harry Philburt – Inspector

Kim Bohazi – Auto-cad

Former RBI Personnel

Jarret Reeves – Software Analyst

Don Conger – Capstone Mechanical Integrity Manager

John Aller – Capstone General Manager

Tim Munsterman – Capstone Manager of Materials and Engineering Consulting

Doug Paneitz – Capstone Manager of Risk and Reliability Group

Sam Whatley – Capstone Project Manager

Kim Culwell – Capstone AutoCAD

Jeff Condrey – Site Coordinator

Kent Richards – Inspector

Robert Dixon – Inspector

Gina Christiansen – Mechanical Integrity Assistant

Bryan Tomlin – Inspector

Howard Williams – Site Coordinator

Kamran Majeed – Site Coordinator

Thomas Uyoh – Inspector

Tommy Morris – Inspector

Chris Arthur – Inspector

Chuck Cannon – Inspector

Steve Rougeou – Inspector

Robert LaFleur – Inspector

Chrystal Jordan Key – Mechanical Integrity Assistant

Greg Kridler, Lesley Dubois, Chris Murrell, Scott McCrary, Wanda Fisher, Vince Meyer, James Neff, Jeremy Ledbetter, Harry Philburt, Kim Bohazi, and Chuck Cannon are current Contractors.

Jarrett Reeves, Don Conger, John Aller, Tim Munsterman, Doug Paneitz, Sam Whatley, Kim Culwell, Jeff Condrey, Kent Richards, Robert Dixon, Gina Christiansen, Bryan Tomlin, Howard Williams, Kamran Majeed, Thomas Uyoh, Tommy Morris, Chris Arthur, Steve Rougeou, Robert LaFleur, and Chrystal Jordan Key are former Contractors.

Each of these individuals may be reached c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095.

Person(s) answering and/or consulted in the preparation of the answer to this Question: Ben Dulban, Kenny Key; Dale Christiansen, Supervisor, Mechanical; c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3.

QUESTION NO. 49:

Identify the members of the team who conducted the initial evaluation and developed the RBI program for underground piping at the West Storage Facility. Specify their role or position in the RBI program, their role and/or position at facility (or if contractor, role as contractor), their experience with RBI, and their experience with the process being evaluated.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility.

Personnel involved in the initial evaluation and development of the RBI program at the West Storage Facility include:

Dale Christiansen - Supervisor, Mechanical

Don Conger – Capstone Mechanical Integrity Manager

John Aller – Capstone General Manager

Tim Munsterman – Capstone Manager of Materials and Engineering Consulting

Doug Paneitz – Capstone Manager of Risk and Reliability Group

Sam Whatley – Capstone Project Manager

Kim Culwell – Capstone AutoCAD

Jeff Condrey – Site Coordinator

Each of these individuals may be reached c/o Edward C. Lewis, Fulbright & Jaworski, L.L.P., elewis@fulbright.com, (713) 651-3760, 1301 McKinney, Suite 5100, Houston, Texas 77010-3095.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Dale Christiansen.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 50:

Identify the consensus-based standards which were reviewed as part of the initial evaluation for implementing API 580 for the underground piping at the West Storage Facility. Identify standards that have been incorporated subsequently, including any updated editions of older standards.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility.

Enterprise further objects to the phrase “consensus-based standards” as being vague and ambiguous. The precise meaning of “consensus-based standards” is unclear. Subject to, and without waiving that objection, Enterprise has previously provided documents responsive to this request (ENT-EPA 1046-1231), and, further, reviewed the following standards in implementing its RBI program, and continues to refer to these standards as appropriate and necessary in the implementation of the RBI program:

29 CFR 1910.119 Occupational Safety and Health Standards

API 510 Pressure Vessel Inspection Code, Maintenance Inspection, Rating, Repair and Alteration

API 570 Inspection, Repair, Alteration, and Rerating of In-service Piping Systems

API 574 Recommended Practice: Inspection of Piping System Components

API 576 Inspection of Pressure Relieving Devices

API 578 Material Verification Program for New and Existing Alloy Piping Systems

API 579-1/ASME FFS-1 Fitness-for-Service

API 580 Risk-Based Inspection

API 650 Welded Tanks for Oil Storage

API 653 Tank Inspection, Repair, Alteration, and Reconstruction

ASME B31.3 Process Piping

ASME BPVC Boiler and Pressure Vessel Code, Sections V, VIII, IX

American Society for Non-Destructive Testing (ASNT) SNT-TC-1A Recommended Practice for Personnel Qualification and Certification in Non-Destructive Examination

Subsequently, Enterprise has developed and utilized company standards including: Enterprise Standard STD.9515 Inspection and Testing of On-Site, In-Service, Piping Systems; Enterprise Standard STD.9510 Identifying Piping Systems and Circuits; and Enterprise Standard STD.9508 Deficiency Identification and Correction.

Person(s) answering and/or consulted in the preparation of the answer to this Question: Ben Dulban, Kenny Key, Dale Christiansen.

Person(s) consulted in the preparation of the answer: See Enterprise's Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3; ENT-EPA 1046-1231.

QUESTION NO. 51:

Identify the technical or engineering expert (*e.g.*, piping engineering expert, etc.) who advised the use of each of the standards identified in response to Question 50 at the time of the initial assessment, and provide a copy of the expert's report for each of the standards.

Response: Enterprise objects to this Question because it assumes facts not in evidence. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility.

Enterprise further objects to the phrase “consensus-based standards” used in Question 50, on which this Question relies, based on vagueness. Subject to, and without waiving that objection, applicable EPA and OSHA regulations directed facilities to rely on generally accepted good engineering practices and specifically refer to such entities as API for the development and recognition of such practices. Enterprise relied on such API standards in the development of its RBI program, as set forth above. Capstone’s Tim Munsterman assisted in this effort.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Dale Christiansen.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise’s Response to Question No. 3.

QUESTION NO. 52:

Provide a copy of all documents from acquisition of the West Storage Facility to the present that identify which codes and standards were used to evaluate the underground piping at the West Storage Facility.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 53:

Provide a copy of the written mechanical integrity program that was in effect prior to the initial RBI assessment.

Response: Enterprise objects to this question as vague and ambiguous as it does not identify a particular location for which EPA is seeking the requested information. For purposes of providing its response, Enterprise will assume that EPA is seeking information related to the West Storage Facility. Subject to, and without waiving its objection, Enterprise responds that it previously provided EPA documentation responsive to this request (See ENT-EPA 1046-1231). Enterprise does not have a copy of prior owner Diamond Koch's written Mechanical Integrity program for the period when it owned the facility.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Dale Christiansen.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA 0001046-1231.

QUESTION NO. 54:

Identify the type of inspection(s) (*e.g.*, soil resistivity measurements, cathodic protection monitoring, etc.) and the standard(s) that was used to evaluate the underground piping at the West Storage Facility prior to the initial RBI assessment.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

In addition to the documents that Enterprise previously provided EPA that are responsive to this request (See ENT-EPA 0001046-1231), see the documents provided in response to Question No. 52, from which the information requested in this Question can be derived.

Person(s) answering and/or consulted in the preparation of the answer to this Question: Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information: See Enterprise's Response to Question No. 3; see documents provided in response to Question No. 52; see ENT-EPA 0001046-1231.

QUESTION NO. 55:

Provide a copy of any testing, inspection, or evaluation of the underground piping at the West Storage Facility that was conducted prior to the initial RBI assessment.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

See the documents provided in response to Question No. 52, from which the information requested in this Question can be derived. (See ENT-EPA0006284-8570, 35614 - 36882).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key, Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; ENT-EPA0006284-8570, 35614 - 36882.

QUESTION NO. 56:

Provide all initial inspection reports, test results, and/or evaluation reports for the underground piping at the West Storage Facility that were conducted or considered in developing the RBI for the underground piping at the West Storage Facility.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-

ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

No inspection reports, test results, and/or evaluation reports for the underground piping at the West Storage Facility were conducted or considered in developing the RBI for the underground piping at the West Storage Facility because the RBI program is not utilized with respect to, is not applicable to, and does not address underground piping.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 57:

Provide any and all assumptions made by the RBI team that address risk, consequences, inspection frequency, similar service, etc., for the underground piping at the West Storage Facility.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

For each Asset added to Enterprise's RBI program, historical data is collected, and a process review, a corrosion study, and an initial visual inspection are conducted, and the results of these activities are entered into the RBI database. Once the data is entered, an initial risk analysis is run. As additional data is obtained and entered into the database, additional risk analyses are run, as appropriate. The various factors, including risk, consequence, etc. are elements of the RBI program. In addition to these factors, an inspector, under certain defined and circumscribed parameters established by API 580, has discretion to enter a confidence-level assessment into the database, based on any further information the inspector may have with respect to the Asset. This confidence-level element is incorporated into the risk analysis. Solely for purposes of providing EPA with a general overview of the software-based system, Enterprise has provided a copy of the User Manual and Training Manual applicable to the RBI program (See ENT-EPA0034899 - 35167).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 58:

Identify the date used in establishing the RBI program for the underground piping at the West Storage Facility, as described in Section 7.4 of API RP 580.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu

Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

Enterprise began utilizing the RBI program for above-ground assets at the West Storage Facility on or about 2004.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 59:

Identify the damage mechanisms and failure modes for the underground piping at the West Storage Facility, as described in Section 7.4 of API RP 580.

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 60:

Provide a copy of the Probability of Failure Analysis for the underground piping at the West Storage Facility, as described in Section 9 of API RP 580.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

The Probability of Failure Analysis is an element of the RBI program that is built into the Capstone software system. Enterprise is providing documents reflecting the Probability of Failure and the Consequence Analysis for above-ground assets at the West Storage Facility (ENT-EPA0036883 - 37826).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0036883 - 37826.

QUESTION NO. 61:

Provide a copy of the Consequence Analysis for the underground piping at the West Storage Facility, as described in Section 10 of API RP 580.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

The Consequence Analysis is an element of the RBI program that is built into the Capstone software system. Enterprise is providing documents reflecting the Probability of Failure and the Consequence Analysis for above-ground assets at the West Storage Facility (ENT-EPA0036883 - 37826).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0036883 - 37826.

QUESTION NO. 62:

Provide a copy of the initial Risk Determination, Assessment, and Management analysis for the initial RBI evaluation for the underground piping at the West Storage Facility, as described in Section 11 of API RP 580.

Response:

Response:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 63:

Provide a copy of the initial Inspection Activities plan for the initial RBI evaluation for the West Storage Facility, as detailed in Section 12 of API RP 580.

Response: The Inspection Activities plan is an element of the RBI program that is built into the Capstone software system. Enterprise is providing the 2004 Piping Criticality Report applicable to the West Storage above-ground piping (See ENT-EPA0037827 - 38734)

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0037827 - 38734.

QUESTION NO. 64:

Provide a copy of any RBI Reassessment for the underground piping at the West Storage Facility, as described in Section 14 of API RP 580.

Response: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

QUESTION NO. 65:

Provide a copy of the RBI documentation for the underground piping at the West Storage Facility, as described in Section 16 of API RP 580, including:

- A. Type of assessment;
- B. Team members performing the assessment;
- C. Time frame over which the assessment is applicable;
- D. The inputs and sources used to determine risk;
- E. Assumptions made during the assessment;
- F. The risk assessment results (including information on probability and consequences);
- G. Follow-up mitigation strategy, if applicable, to manage risk;
- H. The mitigated risk levels (*i.e.*, residual risk after mitigation is implemented); and

- I. References to codes or standards that have jurisdiction over extent or frequency of inspection.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

There is not a “copy” of the RBI program that can be provided. Solely for purposes of providing EPA with a general overview of the software-based system, Enterprise is providing the User Manual and Training Manual applicable to the RBI program (See ENT-EPA0034899 - 35167). These materials are copyrighted by Capstone and Enterprise respectfully requests that EPA protect any proprietary interest that Capstone may have in these materials.

Subject to these objections, Enterprise is providing the following documents from which the information requested in this question can be derived. See ENT-EPA0038735 – 38749.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Person(s) consulted in the preparation of the answer: See Enterprise’s Response to Question No. 2.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0038735 – 38749.

QUESTION NO. 66:

Provide copies of any and all documentation addressing how the RBI program differs from that outlined in API RP 580 (either 1st or 2nd edition) and API RP 581 (either 1st or 2nd edition), including justification for the changes and the source of information used to justify deviation.

Response: Enterprise objects to this question because it is based on an inaccurate premise. Subject to, and without waiving that objection, API 580 sets forth the standard to be used in the development and implementation of an RBI program. API 581 provides the forms and calculations to be used in implementing an RBI program. Enterprise's RBI program meets the requirements set forth in API 580. Capstone's software program, utilized by Enterprise, complies with API 581.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0038750 - 38961 [API RP 580 (2nd edition) and API RP 581 (2nd edition)]

QUESTION NO. 67:

Provide a copy of the current RBI inspection program for the underground piping at the West Storage Facility.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, Enterprise does not utilize API RP 580 with respect to underground piping at the West Storage Facility or the Enterprise Mont Belvieu Complex. Enterprise utilizes API RP 580, in conjunction with API 570, with respect to above-ground assets, as well as the soil-to-air interface, at the West Storage Facility and the Enterprise Mont Belvieu Complex.

Subject to, and without waiving that objection, Enterprise is providing its company standards governing the inspection and testing of on-site, in-service piping systems (See ENT-EPA0038962 - 38974).

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Ben Dulban.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see ENT-EPA0038962 - 38974.

QUESTION NO. 68:

Identify the type and method of inspection (*e.g.*, soil resistivity measurements, cathodic protection monitoring) for the underground piping at the West Storage Facility.

Response: See Enterprise's response to Question No. 54, above.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see documents referred to in Enterprise's response to Question No. 54, above.

QUESTION NO. 69:

Provide a copy of all inspection reports, test results, and/or evaluation reports (including soil resistivity measurements and cathodic protection monitoring) regarding the condition of the underground piping at the West Storage Facility (other than provided in response to Question 55 or 56).

Response: In addition to the documents that Enterprise previously provided EPA that are responsive to this request (See ENT-EPA 6284-8570), see Enterprise's response to Question No. 55, above. See also ENT-EPA0038795 - 38986.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Kyle Costlow.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3; see documents referred to in Enterprise's response to Question No. 55, above. See ENT-EPA 6284 – 8570 and 38975 - 38986.

QUESTION NO. 70:

Exhibit E (attached) provides an inspection interval for poorly coated pipes and pipes that are not cathodically protected. Identify all underground piping at the West Storage Facility that is either poorly coated, and/or not cathodically protected.

Response: Enterprise objects to this Question because it is based on an inaccurate premise. Subject to, and without waiving that objection, there are no known structures underground at the West Storage Facility that do not have cathodic protection. All surveys, risers, and well heads have cathodic protection. Two new cathodic protection systems have been designed and are awaiting installation, which is expected in mid-2012.

Further, all of the items set forth in Exhibit E appear to be aboveground items, and therefore not subject to cathodic protection.

Person(s) answering and/or consulted in the preparation of the answer to this Question:
Kyle Costlow, Ben Dulban, Kenny Key.

Documents consulted, examined, or referred to or that contain responsive information:
See Enterprise's Response to Question No. 3.

QUESTION NO. 71:

Provide a brief description of all activities regarding any inspections, maintenance, or excavation relating to the underground piping at the West Storage Facility that has taken place since February 8, 2011.

Response:

[REDACTED]

[REDACTED]

[REDACTED] [REDACTED] [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ENTERPRISE PRODUCTS OPERATING, L.L.C.
AFFIDAVIT TO INFORMATION REQUEST
BEFORE THE UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6
DALLAS, TEXAS

STATE OF TEXAS

COUNTY OF HARRIS

I, the undersigned affiant, first being duly sworn, upon oath, depose and say:

1. Based on information and belief formed after reasonable inquiry, the statements, information and documents provided in this Response to EPA's Clean Air Act Section 114 Request for Information are true, accurate, and complete.

2. Over 39,000 pages of photocopies of documents or records are attached or have been produced previously. The attached pages are true and correct copies of records which I presently have in my custody and/or control as an owner and/or employee of Enterprise Products Operating L.L.C., the address of which is 1100 Louisiana Street, Houston, TX 77002-5227.

3. I am one of the custodians of the records of which the attached pages are true and correct copies. Those records have been requested by EPA and are being produced along with this affidavit in response to that Request.

4. The records, of which the attached pages are true copies, were and/or are received and/or kept in the usual course of the regularly conducted business and activity of Enterprise Products Operating L.L.C. The records are relied upon by me and others for the purpose of conducting every-day affairs.

5. I acknowledge that this affidavit is submitted to the United States in connection with a matter in which jurisdiction is asserted by EPA, and that any material false statement or act herein may be a crime under 18 U.S.C. § 1001, 42 U.S.C. § 6928(d), and 42 U.S.C. § 7413(c).

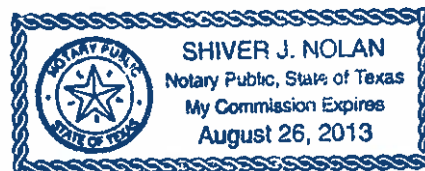
SIGNED: 

PRINTED NAME: Matthew E. Marra

OFFICE OR TITLE: Sr. Director-Environmental

SWORN AND SUBSCRIBED TO before me, the undersigned Notary Public on this
18th day of June, 2012.


NOTARY PUBLIC in and for the State of Texas



My commission expires 8-26-13

SEAL